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MONTANA OIL AND GAS STATISTICAL BULLETIN

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BOARD OF OIL AND GAS CONSERVATION
SAVINGS BLDG.
HELENA, MONTANA 59601

Vol. XXII, No. 2 **FEBRUARY, 1974**

Production of crude oil and condensate from the oil and gas areas of Montana for the month of February, 1974, averaged 95,237 barrels daily, an increase of 387 barrels from the average January production of 94,850.

The nine refineries in the state processed 130,140 barrels of crude oil daily for the month of February, 1974, a decrease of 5,504 barrels from the 135,644 barrels processed daily during the month of January.

During February, 53 wells were completed, 3 oil, 8 gas and 42 dry holes.

During February, the Board issued 33 permits to drill new wells, a decrease of 4 from the 37 permits issued during January.

SUMMARY OF CRUDE PRODUCTION, REFINING, STORAGE, ETC., IN MONTANA

MONTH OF FEBRUARY, 1974

IN STORAGE February 1st	
By Producers	317,676
By Transporters	1,327,637
By Refiners	895,931
TOTAL STORAGE	2,541,244
Produced in Montana During Month..	2,666,649
Imported During Month	2,909,914
TOTAL	8,117,807
DISPOSITION:	
Refined in Montana	3,643,919
Exported	1,787,781
Used for Fuel or Lost	6,301
TOTAL	5,438,001
IN STORAGE February 28th	
By Producers	324,316
By Transporters	1,357,106
By Refiners	998,384
TOTAL STORAGE	2,679,806

NATURAL AND ASSOCIATED GAS WITHDRAWALS IN MONTANA

Month of February, 1974

Field	M. C. Ft.
NATURAL:	
Big Coulee	117,088
Black Coulee	20,516
Blackjack	54,872
Bowdoin	381,492
Bowes	47,212
Cedar Creek	1,592,124
Cut Bank (including Reagan)	280,304
Ethridge	1,106,830
Dry Creek	42,556
Flat Coulee	10,782
Grandview	18,125
Hardin	1,836
Keith Block	95,898
Kevin Sunburst	46,182
Kicking Horse	31,930
Lake Basin	48,713
Liscom Creek	30,714
Middle Butte	2,422
Mt. Lilly	17,098
Plevna	5,613
South Devon	26,598
Shepard	213,914
Tiger Ridge	1,876,139
Trail Creek	15,766
Utopia	50,993
West Butte	43,496
Whitlash	58,391
ASSOCIATED:	
Bell Creek	23,954
Brush Lake	343
Cabin Creek	59,239
Elk Basin	34,758
Fairview	46,605
Pine	39,249
Richland	48,295
Tule Creek	12,529
TOTAL	6,502,576

Total Withdrawals for February, 1973, were 6,135,533.

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PRODUCERS REPORT— MONTH OF FEBRUARY, 1974

Leases	Field	No. of Wells	Storage First of Month	Oil Produced	Oil Shipped By Pipeline	Oil Shipped By Truck	Used or Lost	Storage End of Month
3	Ash Creek	3	143	613	.....	756	.....	.....
1	Bainville	1	2,333	1,893	.....	2,126	.....	2,100
2	Bannatyne	2	.....	424	424	.....	.....	.....
2	Bear's Den	5	1,702	724	.....	1,038	.....	1,388
16	Bell Creek	331	22,354	716,433	717,687	.....	3	21,097
....	Benrud	.....	281	.....	.....	.....	.....	281
3	Benrud East	3	1,451	10,768	.....	10,114	.....	2,105
1	Benrud Northeast	1	1,157	1,599	.....	1,930	.....	826
....	Berthelote	.....	287	.....	.....	.....	.....	287
5	Big Wall	14	977	4,776	4,482	.....	.....	1,271
2	Blackfoot	2	402	766	763	.....	.....	405
2	Border	7	2,775	518	.....	607	.....	2,686
1	Bowes	51	6,722	9,314	8,896	.....	.....	7,140
1	Bradley	1	242	507	.....	.....	.....	749
4	Brorson-Madison	4	1,101	2,869	.....	3,159	.....	811
5	Brorson-Red River	5	6,322	8,136	.....	7,461	.....	6,997
3	Brorson-Red River South	3	2,551	6,531	.....	7,033	.....	2,049
6	Brush Lake	6	1,637	10,839	10,839	.....	.....	1,637
1	Burns Creek	1	554	1,795	.....	2,090	.....	259
2	Cabin Creek	84	.....	181,343	181,343	.....	.....	.....
1	Canal	1	850	3,784	.....	3,534	.....	1,100
8	Cat Creek	38	2,800	12,192	12,930	.....	.....	2,062
....	Chelsea Creek	.....	284	.....	.....	.....	.....	284
....	Clark's Fork	.....	12	.....	.....	.....	.....	12
1	Clark's Fork South	1	130	1,002	.....	991	.....	141
1	Conrad South	1	.....	207	207	.....	.....	.....
2	Cow Creek	2	369	625	.....	737	.....	257
4	Cow Creek East	5	758	15,010	.....	14,703	.....	1,065
1	Culbertson	1	97	.....	.....	.....	.....	97
3	Cupton	6	4,503	7,257	5,539	2,431	.....	3,790
122	Cut Bank	850	54,603	287,060	255,383	28,226	11	58,043
....	Dean Dome	.....	65	.....	.....	.....	.....	65
1	Deer Creek	1	483	982	1,195	.....	.....	270
....	Delphia	.....	189	.....	.....	.....	.....	189
....	Devil's Basin	.....	496	.....	.....	.....	.....	496
2	Dwyer	10	3,722	8,427	8,610	.....	.....	3,539
3	Elk Basin	48	624	99,319	99,200	.....	.....	743
3	Elk Basin Northwest	6	1,894	1,777	1,930	.....	.....	1,741
5	Fairview	9	7,992	25,623	9,030	14,776	.....	9,809
2	Fertile Prairie	2	569	1,221	.....	1,201	.....	589
4	Flat Coulee	20	2,542	9,001	8,996	.....	.....	2,547
35	Flat Lake	52	3,800	49,298	50,285	.....	.....	2,813
5	Flat Lake South	5	640	5,563	5,119	.....	.....	1,084
1	Four Buttes	1	404	371	.....	219	.....	556
1	Ft. Gilbert	2	453	7,804	8,000	.....	.....	257
1	Frannie	1	.....	644	.....	644	.....	.....
9	Fred & George Creek	26	1,964	44,800	44,370	.....	.....	2,394
1	Froid South	1	409	243	.....	428	.....	224
1	Gage	1	60	128	.....	168	.....	20
2	Gas City	16	7,177	18,065	15,908	2,833	.....	6,501
1	Girard	1	994	1,132	.....	1,032	.....	1,094
10	Glendive	14	1,463	21,496	20,536	.....	.....	2,423
10	Goose Lake	28	3,968	20,715	21,481	.....	.....	3,202
10	Graben Coulee	28	8,135	7,856	5,528	2,300	.....	8,163
1	Hay Creek-Mission Canyon	1	113	1,223	1,237	.....	.....	99
1	Hay Creek-Red River	1	555	3,767	4,002	.....	.....	320
4	Hiawatha	4	1,906	5,124	4,616	.....	.....	2,414
1	Hibbard	1	535	222	.....	397	.....	360
....	Injun Creek	.....	266	.....	.....	.....	.....	266
5	Ivanhoe	11	1,380	3,143	2,963	.....	.....	1,560
2	Jim Coulee	19	3,479	29,739	28,563	.....	.....	4,655
6	Keg Coulee	20	5,992	13,283	13,920	.....	.....	5,355
2	Keg Coulee North	2	877	2,596	2,628	.....	.....	845
1	Kelley	3	894	4,117	4,200	.....	.....	811
65	Kevin Sunburst	339	10,742	20,304	18,959	2,220	37	9,850
8	Laird Creek	10	607	2,592	.....	2,552	.....	647
1	Landslide Butte	1	1,011	325	.....	829	.....	507
3	Leary	3	2,176	1,804	.....	2,512	.....	1,468
1	Little Beaver	23	.....	37,411	37,411	.....	.....	.....
2	Little Beaver East*	8	1,334	10,993	11,497	.....	.....	830
3	Little Wall Creek	3	294	5,466	3,527	.....	.....	2,233
1	Lodge Grass	1	333	728	.....	504	.....	557
7	Lonetree Creek	7	5,082	16,524	.....	16,316	.....	5,290
3	Lookout Butte (Coral Creek)	30	478	46,115	46,380	.....	.....	213
1	Mason Lake	1	280	566	367	.....	.....	479
2	Melstone	3	875	1,566	1,935	.....	.....	506
1	Mineral Bench	1	318	.....	.....	.....	.....	318
6	Monarch	13	3,487	10,891	9,607	1,812	.....	2,959
4	Mosser	4	.....	767	.....	767	.....	.....
1	Nohly	1	730	7,469	.....	6,871	.....	1,328
3	Otis Creek	3	1,283	2,115	.....	2,520	.....	878
5	Outlook	7	3,230	9,575	6,778	.....	.....	6,027
1	Outlook South	1	1,155	309	.....	.....	.....	1,464
2	Outlook West	2	1,459	1,806	1,409	.....	.....	1,856
1	Pennel-Lookout Butte	107	.....	181,735	181,735	.....	.....	.....
4	Pine	111	19,537	225,974	226,567	.....	.....	18,944
57	Pondera	252	3,891	22,831	22,672	.....	.....	4,050
6	Poplar	63	10,194	40,099	41,998	.....	.....	8,295
2	Poplar Northwest	3	1,480	1,020	1,172	.....	.....	1,328
....	Prairie Elk	.....	474	.....	.....	.....	.....	474
1	Pritchard Creek	5	167	350	350	.....	.....	167
1	Putnam	2	349	4,332	.....	4,439	.....	242
3	Rabbit Hills	3	2,362	5,519	.....	5,848	.....	2,033
7	Ragged Point	16	3,720	12,439	12,784	.....	.....	3,375
2	Rattlesnake Coulee	2	565	321	390	.....	.....	496
4	Raymond	4	2,181	23,795	23,696	.....	.....	2,280
3	Reagan	44	1,135	13,712	13,953	.....	.....	894
1	Red Creek	19	.....	11,596	11,596	.....	.....	.....
1	Red Fox	1	380	634	875	.....	.....	139
....	Redstone	.....	553	.....	.....	.....	127	426
1	Repeat	1	60	1,404	.....	1,224	.....	240
4	Reserve	4	611	4,344	4,034	.....	.....	921
1	Richey	1	246	402	435	.....	.....	213
1	Richey Southwest	4	589	808	.....	1,252	.....	145
1	Riprap Coulee	1	499	1,287	551	.....	592	643
1	Rush Mountain	1	332	2,140	2,051	.....	.....	421
2	Salt Lake	3	390	1,323	.....	1,417	.....	296
3	Sand Creek	3	1,183	1,116	1,005	.....	.....	1,294
2	Second Creek	2	1,071	9,206	.....	9,002	.....	1,255
2	Sioux Pass	2	2,726	31,063	31,467	.....	.....	2,322
1	Snyder	3	432	633	.....	584	.....	481
9	Soap Creek	20	1,906	4,693	.....	4,498	.....	2,101
1	Spring Lake	2	572	1,210	.....	1,293	.....	489
3	Stensvad	8	2,887	29,652	29,234	.....	.....	3,305
17	Sumatra	87	19,944	118,524	117,614	.....	.....	20,854
5	Tule Creek	5	2,199	16,423	.....	14,346	.....	4,276
2	Tule Creek East	2	1,259	3,976	.....	4,220	.....	1,015
3	Tule Creek South	3	1,004	2,068	.....	2,667	.....	405
2	Vida	2	122	502	.....	213	.....	411
4	Volt	5	1,985	9,466	.....	9,037	.....	2,414
3	Weldon	3	1,283	4,682	4,540	.....	.....	1,425
1	West Butte	1	.....	1,016	.....	1,016	.....	.....
14	Whitlash	36	6,133	10,224	9,474	.....	.....	6,883
....	Whitlash West	.....	284	.....	.....	.....	.....	284
2	Willow Creek North	2	844	1,571	1,782	.....	.....	633
2	Wills Creek South	2	.....	2,163	2,163	.....	.....	.....
3	Winnett Junction	3	597	5,459	.....	5,411	.....	645
2	Wolf Springs	2	1,734	2,213	.....	1,522	.....	2,425
2	Woodrow	2	354	1,998	1,760	.....	.....	592
2	Wright Creek	4	2,618	639	835	.....	.....	2,422
....	Wildcat, Blaine Co.	.....	157	.....	.....	.....	.....	157
....	Wildcat, McCone Co.	.....	37	.....	.....	.....	.....	37
1	Wildcat, Rosebud Co.	1	25	97	.....	.....	.....	122
....	Wildcat, Toole Co.	.....	294	.....	.....	.....	.....	294
643	TOTAL	3,071	317,676	2,666,649	2,443,413	215,826	770	324,316

Total Oil Produced and Shipped from Leases	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year, 1973	34,620,182	94,850	34,617,999	94,844
January, 1974	2,907,182	93,780	2,900,551	93,566
February, 1974	2,666,649	95,237	2,659,239	94,972

Oil In Storage	In Producers Field Tanks	In Transporters Storage	In Refiners Storage**	Total Oil in Storage**
December, 1973	313,272	1,326,148	1,014,438	2,658,858
January, 1974	317,676	1,327,637	895,931	2,541,244
February, 1974	324,316	1,357,106	998,384	2,679,806

*Montana Oil Only **Includes Wyoming Oil

TRANSPORTERS REPORT — MONTH OF FEBRUARY, 1974

	Storage First of Month	Oil Received By			Loss or Gain	Oil Shipped To			Storage End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—Western Crude Oil Co.			756				756		
BAINVILLE—Koch Oil Company			2,126				2,126		
BEAR'S DEN—Truck			1,038				1,038		
BELL CREEK—Pipeline	49,956	717,687					409,893	324,650	33,100
BIG WALL—Continental Pipeline Co.		4,482				4,482			
BLACKFOOT—Camerland Cardinal Corp.		763						763	
BORDER—Permian Corp.			607					607	
BOWES—Texaco		8,896				8,896			
BRORSON-MADISON, BRORSON-RED RIVER AND BRORSON-RED RIVER SOUTH—Koch Oil Co.			17,653					17,653	
BRUSH LAKE—Portal Pipeline Co.		10,040					10,040		
BURNS CREEK—Western Crude Oil, Inc.			2,090				2,090		
CABIN CREEK & OTHERS[4]									
Butte Pipeline Co.	267,828	423,234	39,481	1,557,707			2,018,021		270,229
Shell Pipeline Co.	4,269	292,337			22			292,759	3,825
	272,097	715,571	39,481	1,557,707	22		2,018,021	292,759	274,054
CANAL—Koch Oil Co.			3,534				3,534		
CAT CREEK—Continental Pipeline Co.		12,447				12,447			
CLARK'S FORK AND CLARK'S FORK SOUTH—Permian Corp.			991				991		
COW CREEK AND COW CREEK EAST—Western Crude Oil, Inc.			15,440				15,440		
CUT BANK—									
Continental Pipeline Co.		512,233	7,753					519,986	
Phillips Petroleum Co.	48,892	95,503		38,747	2,975	126,103			54,064
Texas Pipeline Co.	15,962	29,265		64,290	(81)	95,464			14,134
Union Oil Co.	40,979	37,450			28	11,672			66,729
Western Oil Trans. Co.		22,231						22,231	
Western Oil Trans. Co. (Moulton)		126,282						126,282	
	105,833	822,964	7,753	103,037	2,922	233,239		668,499	134,927
DWYER—Portal Pipeline Co.		8,610					8,610		
ELK BASIN & ELK BASIN NORTH-WEST—Marathon Pipeline Co.		101,029				101,029			
FAIRVIEW—									
Fairview Pipeline Co.		9,030					9,030		
Koch Oil Co.			14,776				14,776		
		9,030	14,776				23,806		
FLAT COULEE—Camerland Cardinal Corp.		8,724				8,724			
FLAT LAKE AND FLAT LAKE SOUTH—Portal Pipeline Co.		51,002					51,002		
FT. GILBERT—Fairview Pipeline Co.		8,000					8,000		
FRANNIE—Interstate Pipeline Co.			644				644		
FRED AND GEORGE CREEK—Camerland Cardinal Corp.	8,437	43,106				41,596		3,273	6,674
GAGE—Truck			168			168			
GIRARD—Koch Oil Co.			1,032				1,032		
GLENDIVE, DEER CREEK, WOOD-ROW AND SAND CREEK—Texas Pipeline Co.	10,877	20,366			571			22,478	8,194
GOOSE LAKE—Portal Pipeline Co.		20,091					20,091		
HAY CREEK—Fairview Pipeline Co.		5,239					5,239		
HIAWATHA—Continental Pipeline Co.		4,616					4,616		
IVANHOE—Continental Pipeline Co.		2,963				2,963			
JIM COULEE—Continental Pipeline Co.		28,560						28,560	
KEG COULEE AND KEG COULEE NORTH—Continental Pipeline Co.		16,154				16,154			
KELLEY—Continental Pipeline Co.		4,200				4,200			
KEVIN SUNBURST—									
Big West Oil Co.	5,778	12,673				12,349			6,102
Homestake Oil & Gas Co.	1,413	2,413				1,570			2,256
Texas Pipeline Co.	13,758	6,025			(35)	5,954			13,864
	20,949	21,111			(35)	19,873			22,222
LEARY—Permian Corp.			2,512				2,512		
LODGE GRASS—Permian Corp.			504			504			
LONE TREE CREEK—Koch Oil Co.			16,316					16,316	
MASON LAKE—Continental Pipeline Co.		367				367			
MELSTONE—Continental Pipeline Co.		1,935				1,742	193		
MIDDLE WALL—Continental Pipeline Co.[2]		3,582						3,582	
MOSSER—Permian Corp.			767				767		
NOHLY—Koch Oil Co.			6,871				6,871		
OTIS CREEK—Western Crude Oil, Inc.			2,520				2,520		
OUTLOOK, OUTLOOK SOUTH AND OUTLOOK WEST—Portal Pipeline Co.		8,193					8,193		
PONDERA—Phillips Petroleum Co.	23,117	23,307			458	19,402			26,564
POPLAR, RED FOX, REDSTONE—East Poplar Gathering System	5,894	49,320			28			49,821[3]	5,365
PUTNAM—Western Crude Oil, Inc.			4,439				4,439		
RABBIT HILLS—Koch Oil Co.			5,848				5,848		
RAGGED POINT—Continental Pipeline Co.		12,479				9,167	3,312		
RAYMOND—Portal Pipeline Co.		23,696					23,696		
RED CREEK—Western Oil Transportation Co.		28,087						28,087	
RESERVE—Portal Pipeline Co.		4,002					4,002		
RUSH MOUNTAIN—Sinclair Ref. Co.		551						551	
RIPRAP COULEE—Portal Pipeline Co.		2,051					2,051		
RUSH MOUNTAIN—Sinclair Ref. Co.									
SALT LAKE—Koch Oil Co.			1,417				1,417		
SECOND CREEK—Koch Oil Co.			9,022				9,022		
SNYDER—Permian Corp.			584			584			
SOAP CREEK—Permian Corp.			4,498				4,498		
SPRING LAKE—Koch Oil Co.			1,293				1,293		
SUMATRA AND STENSVAD—Continental Pipeline Co.	828,111	144,784		2,630,970	1,370	136,678		2,622,258	843,559
TULE CREEK, BENRUD, VOLT & OTHERS[1]—Tesoro Petroleum	2,366		41,546			41,465			2,447
			2,667			2,667			
	2,366		44,213			44,132			2,447
WHITLASH AND WHITLASH WEST—Camerland Cardinal Corp.		9,954				3,341		6,613	
WINNETT JCT.—Truck			5,411			5,411			
WOLF SPRINGS—Permian Corp.			1,522			1,522			
TOTAL	1,327,637	2,957,959	215,826	4,291,714	5,336	676,621	2,667,603	4,086,470	1,357,106

[1]Cabin Creek, Cupton, Fertile Prairie, Gas City, Monarch, Repeat, Weldon and Wills Creek South.
[2]Little Wall Creek and Willow Creek North.
[3]Transferred to Butte Pipeline Co.
[4]Benrud, Benrud East, Benrud Northeast, Culbertson, Froid, Four Buttes, Tule Creek, Tule Creek East, Richey Southwest and Volt.

BARRELS OF CRUDE OIL REFINED IN MONTANA
MONTH OF FEBRUARY, 1974

	Big West Oil Co.	Continental Oil Co.	Diamond Asphalt Co.	Exxon Co.	Farmers Union	Phillips Petroleum Co.	Tesoro Petr. Co.	Westco Refining Co.	Total
Big Wall		4,482							4,482
Cat Creek		2,437			9,802				12,239
Cut Bank	57,266					120,653		107,945	285,864
Elk Basin		42,072		28,865	30,092				101,029
Flat Coulee								8,724	8,724
Fred & George Creek	41,596								41,596
Ivanhoe		2,963							2,963
Keg Coulee		11,211		2,482	2,461				16,154
Kelley				4,200					4,200
Kevin Sunburst	19,873								19,873
Lodge Grass		504							504
Mason Lake		367							367
Melstone					1,742				1,742
Pondera						15,568			15,568
Ragged Point		9,167			3,312				12,479
Richey, Southwest							1,465		1,465
Snyder		584							584
Sumatra & Stensvad		23,693		35,723	84,601				144,017
Tule Creek & Others							35,756		35,756
Whitlash						8,399			8,399
Winnett Jct.					5,411				5,411
Wolf Springs				1,552					1,552
Volt							9,037		9,037
TOTAL Montana Oil	118,735	97,480		72,822	137,421	144,620	46,258	116,669	734,005
Canadian Oil Imported		523,537		307,048	535,899		2,082		1,368,566
Wyoming Oil Imported		718,234		676,348	146,766				1,541,348
TOTAL Montana, Canadian & Wyoming Oil	118,735	1,339,251		1,056,218	820,086	144,620	48,340	116,669	3,643,919

AVERAGE BARRELS PER DAY

	Montana	Canada	Wyoming	Total
Year 1973	26,563	43,474	69,599	139,636
February, 1973	28,353	50,764	67,416	146,533
February, 1974	26,215	48,877	55,048	130,140

PERCENTAGE OF CRUDE OIL REFINED

	Montana	Canada	Wyoming
Year 1973	19.02%	31.13%	49.85%
February, 1973	19.35%	34.64%	46.01%
February, 1974	20.14%	37.56%	42.30%